

Title (en)
BICYCLIC PIPERIDINE AND PIPERAZINE COMPOUNDS HAVING 5-HT 6? RECEPTOR AFFINITY

Title (de)
BIZYCLISCHE PIPERIDIN- UND PIPERAZIN-VERBINDUNGEN MIT 5-HT-6-AFFINITÄT

Title (fr)
PIPERIDINE BICYCLIQUE ET COMPOSES DE PIPERAZINE PRESENTANT UNE AFFINITE POUR LE RECEPTEUR 5-HT 6?

Publication
EP 1105393 A1 20010613 (EN)

Application
EP 99957059 A 19990610

Priority
• CA 9900543 W 19990610
• US 9700898 A 19980615
• US 15649598 A 19980918

Abstract (en)
[origin: WO9965906A1] Described herein are compounds with affinity for the 5-HT₆ receptor, which have general formula (I), wherein R<1>, R<2>, R<3> and R<4> are independently selected from the group consisting of H, halo, OH, C1-6alkyl, C1-6alkoxy, C2-6alkenyl, C2-6alkynyl, C3-7cycloalkyl and others; R<5> is selected from the group consisting of SO₂Ar, C(O)Ar, Ar and CH₂Ar; R<6> and R<7> are independently selected from the group consisting of H, C1-6alkyl, optionally substituted phenyl and optionally substituted benzyl; ----- represents a single or double bond; n is selected from an integer of from 1-3; X is selected from the group consisting of CR<17> and N; Z is selected from the group consisting of C, CH and N, provided that when ----- is a double bond, Z is C and when ----- is a single bond, Z is selected from CH and N; Ar is an optionally substituted aromatic group selected from the group consisting of phenyl, pyridyl, thienyl, furanyl, naphthyl, quinolyl and isoquinolyl; R<16> is selected from the group consisting of H, C1-6alkyl and benzyl. Also described is the use of these compounds as pharmaceuticals to treat indications where inhibition of the 5-HT₆ receptor is implicated, such as schizophrenia.

IPC 1-7
C07D 487/04; **C07D 471/04**; **A61K 31/405**; **A61K 31/50**

IPC 8 full level
A61K 31/437 (2006.01); **A61K 31/4985** (2006.01); **A61P 25/00** (2006.01); **A61P 25/14** (2006.01); **A61P 25/16** (2006.01); **A61P 25/18** (2006.01); **A61P 25/24** (2006.01); **A61P 25/28** (2006.01); **A61P 43/00** (2006.01); **C07D 471/04** (2006.01); **C07D 487/04** (2006.01)

CPC (source: EP US)
A61P 25/00 (2017.12 - EP); **A61P 25/14** (2017.12 - EP); **A61P 25/16** (2017.12 - EP); **A61P 25/18** (2017.12 - EP); **A61P 25/24** (2017.12 - EP); **A61P 25/28** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **C07D 471/04** (2013.01 - EP US); **C07D 487/04** (2013.01 - EP US)

Citation (search report)
See references of WO 9965906A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9965906 A1 19991223; AT E251163 T1 20031015; AU 4253199 A 20000105; AU 765256 B2 20030911; CA 2335285 A1 19991223; CA 2335285 C 20090714; DE 69911798 D1 20031106; DE 69911798 T2 20040701; DK 1105393 T3 20040209; EP 1105393 A1 20010613; EP 1105393 B1 20031001; ES 2209525 T3 20040616; JP 2003523922 A 20030812; JP 4505773 B2 20100721; MX PA00012561 A 20020424; US 6251893 B1 20010626

DOCDB simple family (application)
CA 9900543 W 19990610; AT 99957059 T 19990610; AU 4253199 A 19990610; CA 2335285 A 19990610; DE 69911798 T 19990610; DK 99957059 T 19990610; EP 99957059 A 19990610; ES 99957059 T 19990610; JP 2000554731 A 19990610; MX PA00012561 A 19990610; US 15649598 A 19980918